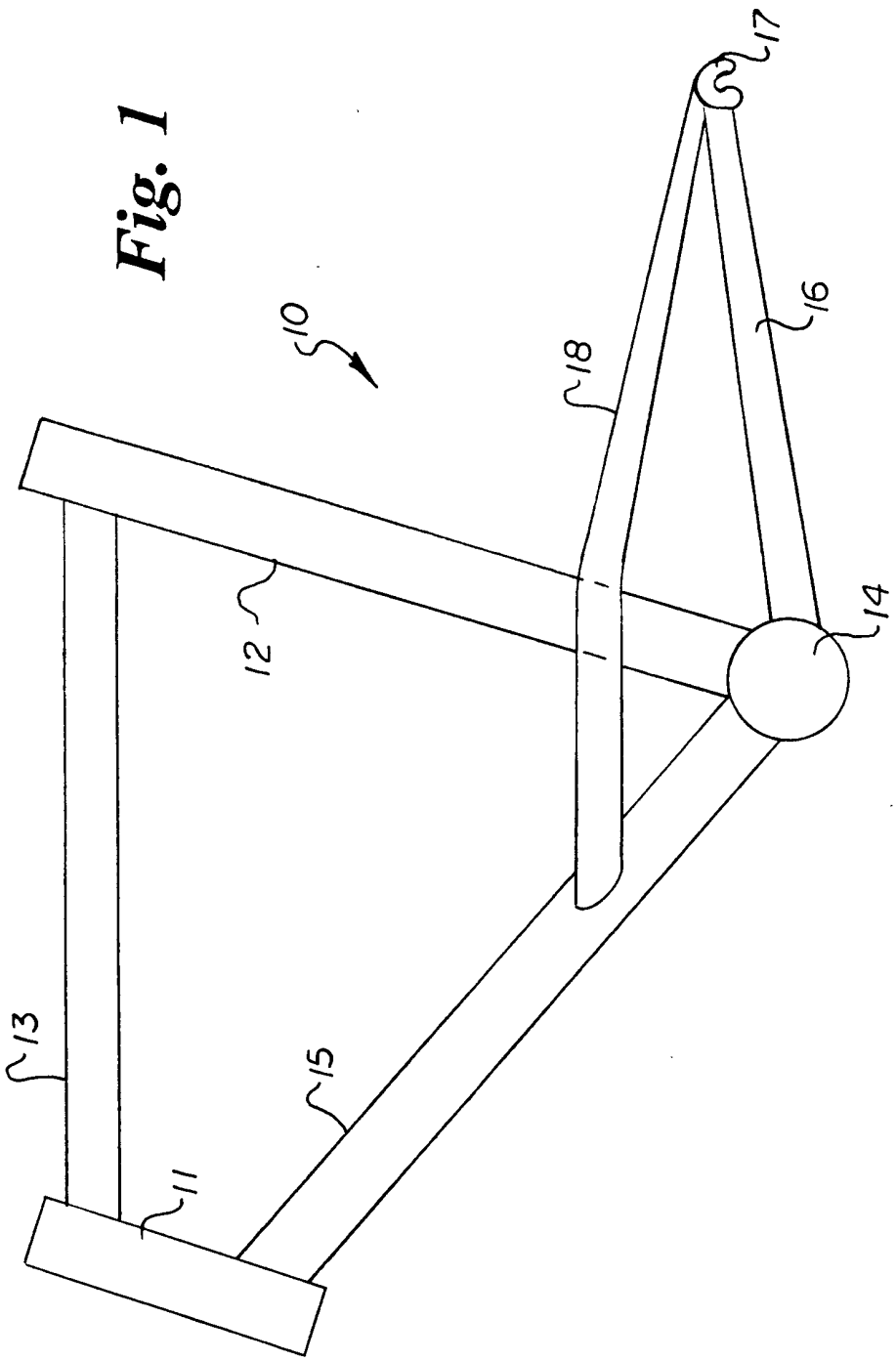
Fig. 1



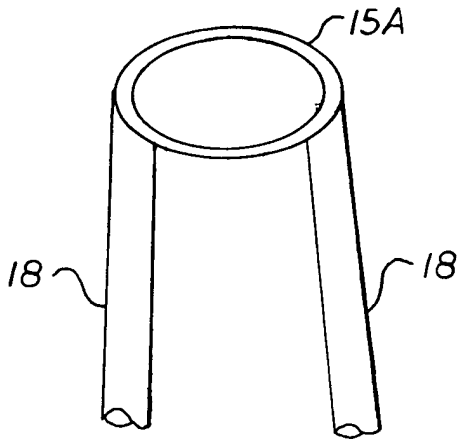


Fig. 13

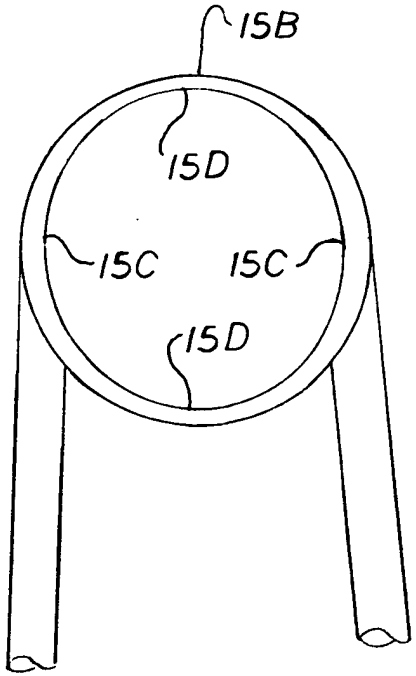


Fig. 14

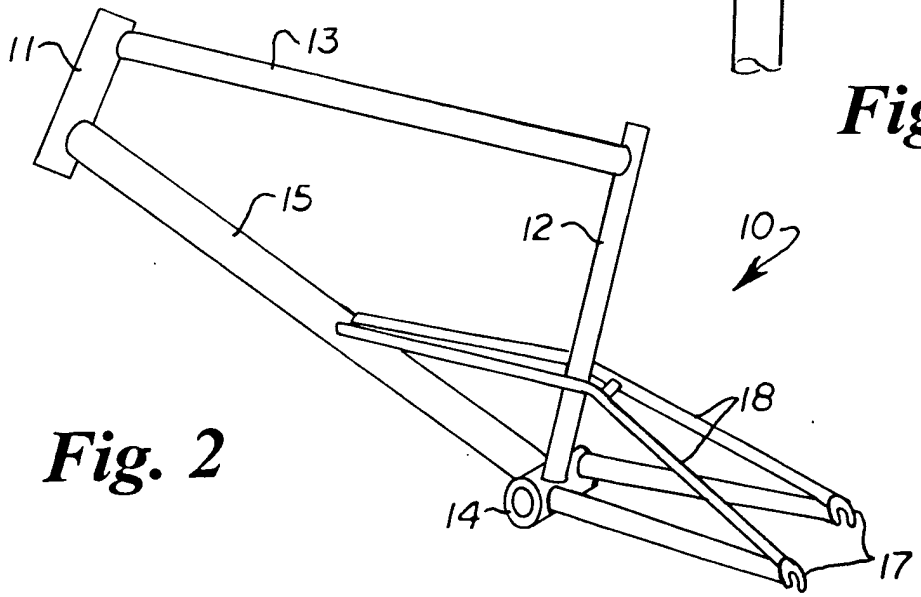


Fig. 2

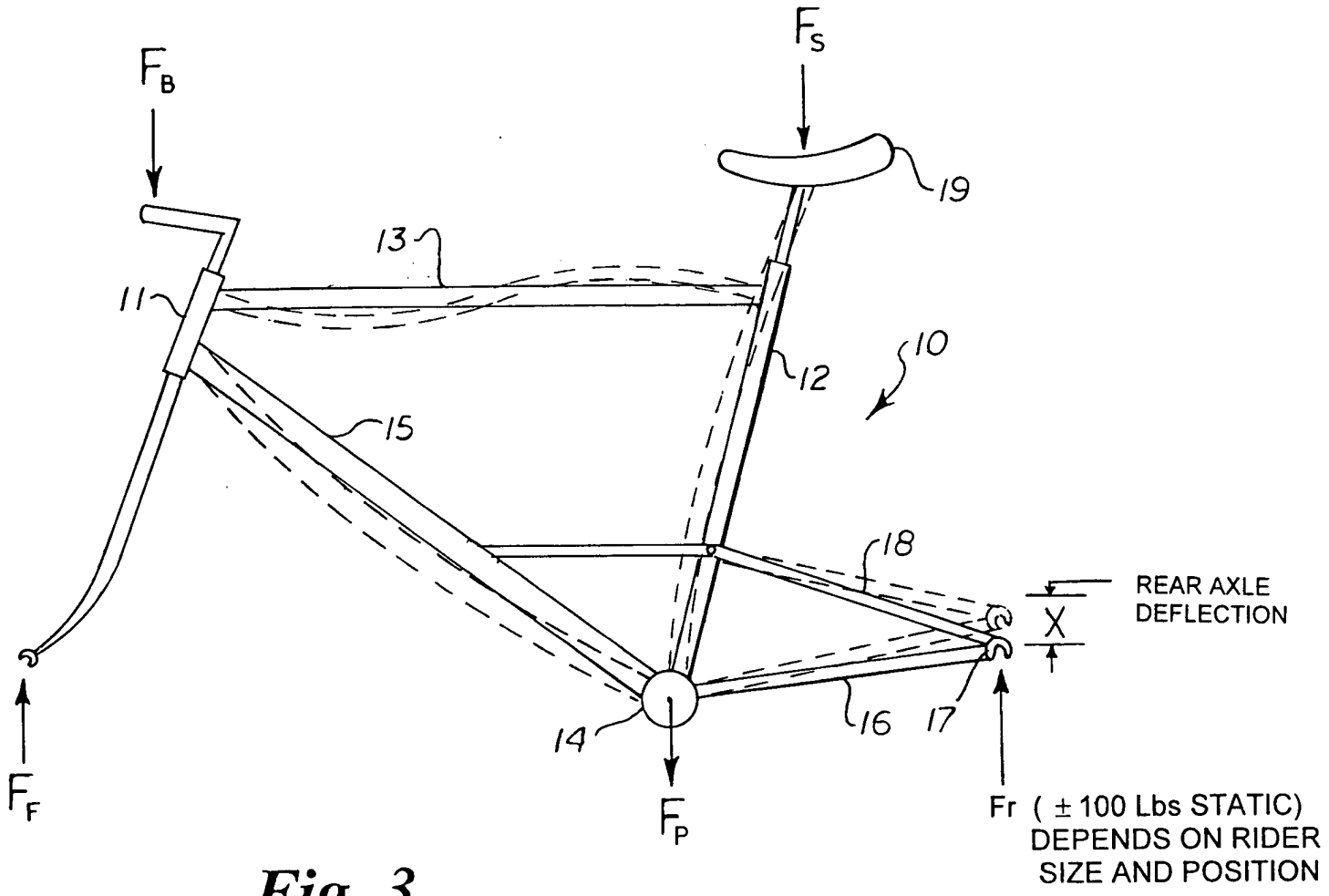


Fig. 3

K = SPRING CONSTANT

$= \frac{Fr}{X} \quad \frac{Lb}{In}$

$\approx 400 \sim 800 \frac{Lb}{In}$

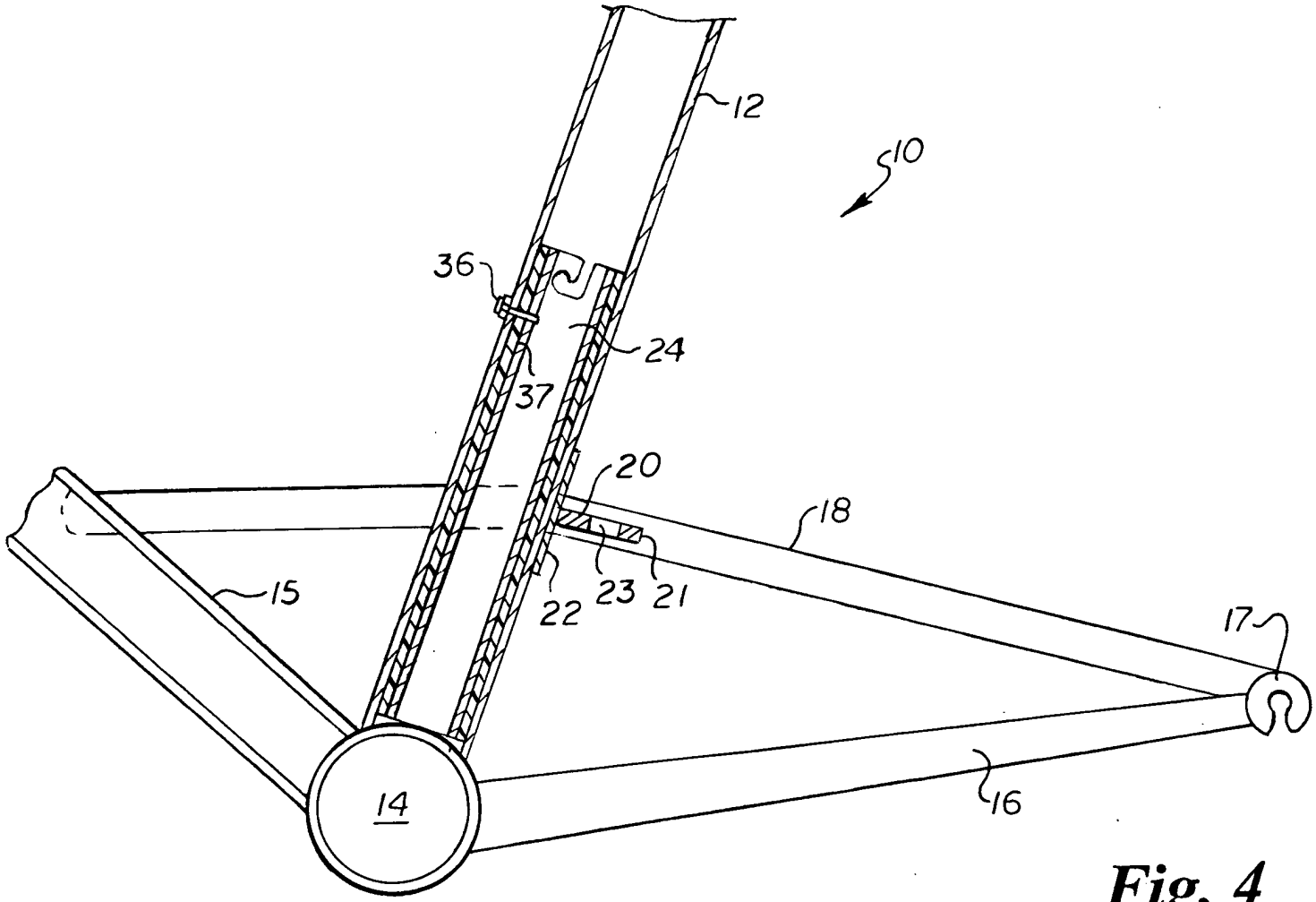


Fig. 4

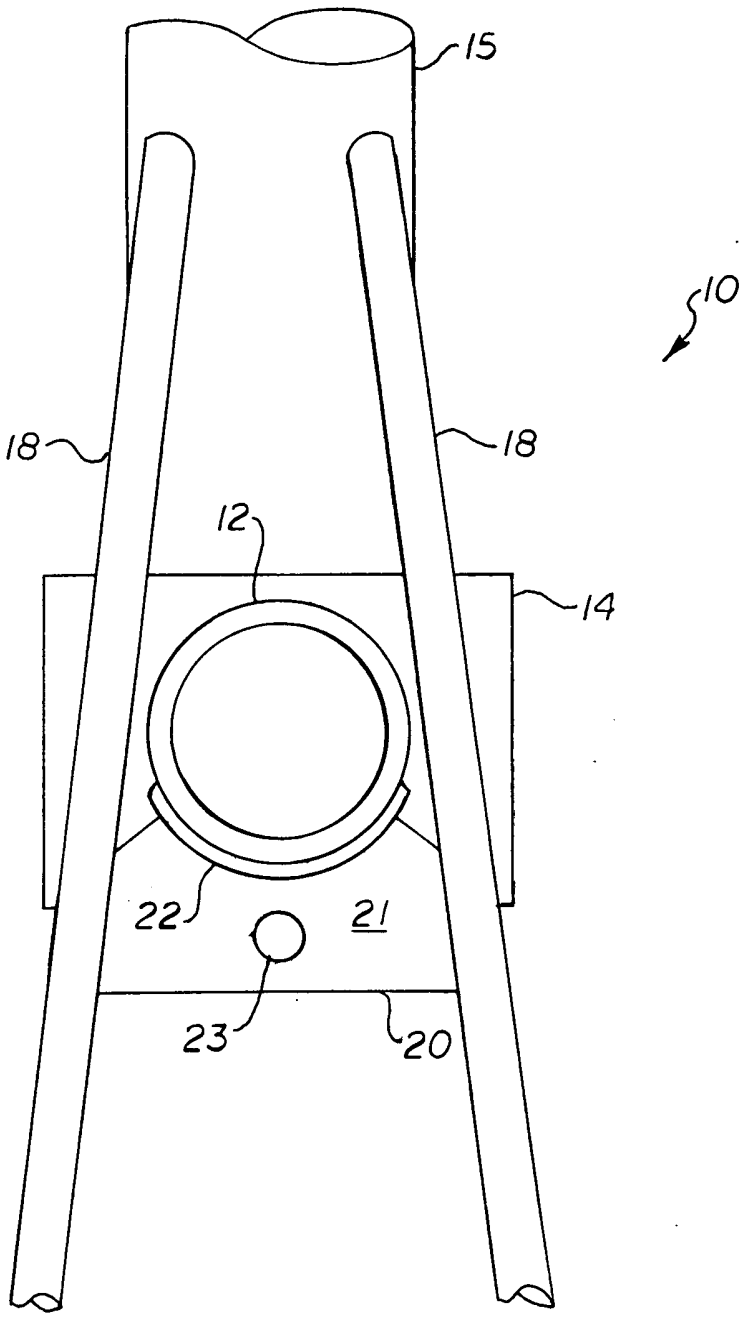


Fig. 5

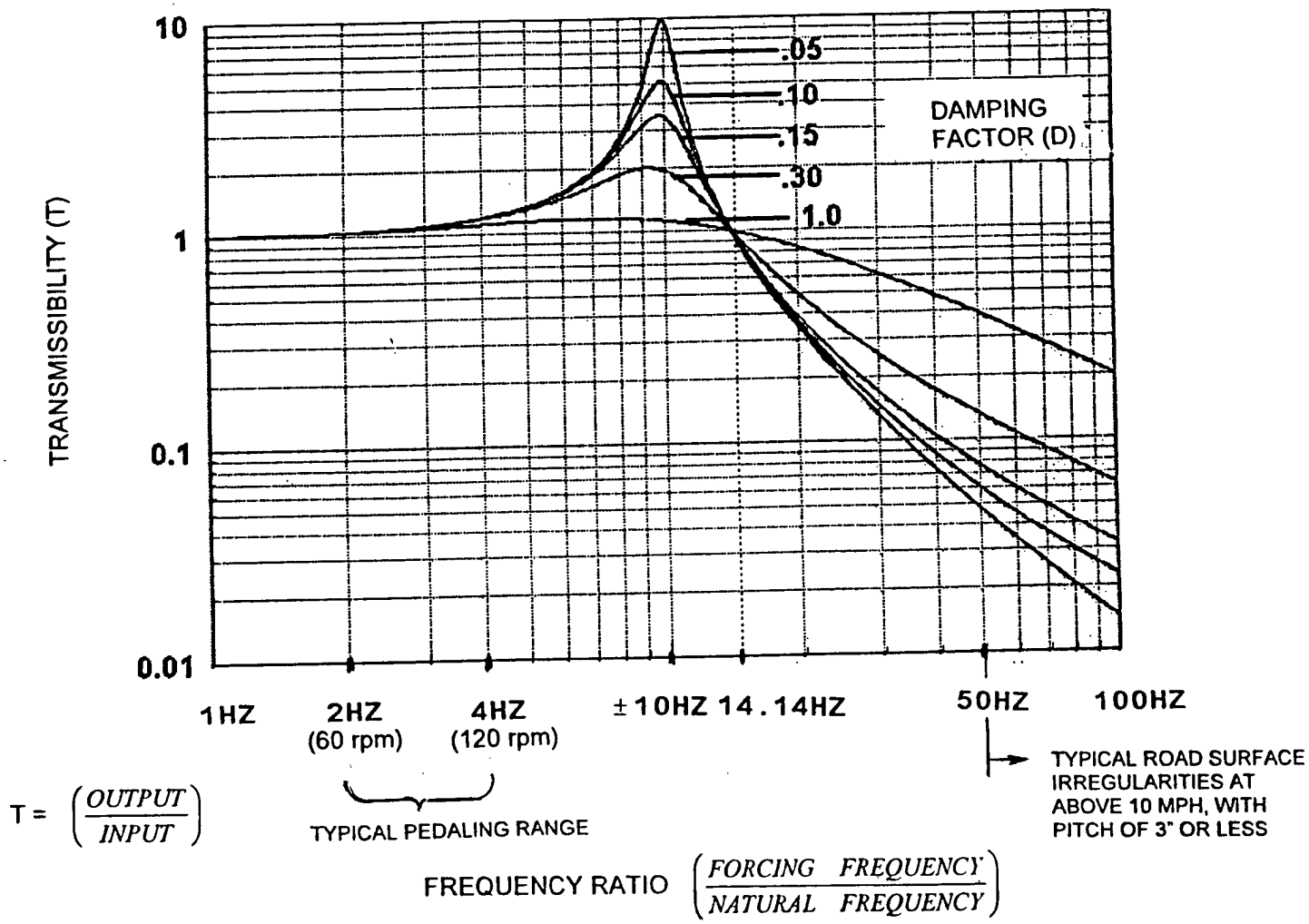


Fig. 6

NOTE: (1) TYPICAL PEDALING CADENCE WILL NOT CAUSE RIDER TO BOUNCE ON SADDLE DUE TO NATURAL FREQUENCY BEING HIGHER.
(2) TYPICAL CHIP-AND-SEAL SURFACE AT 20+ MPH YIELDS FORCING FREQUENCY ABOVE 200 HZ.

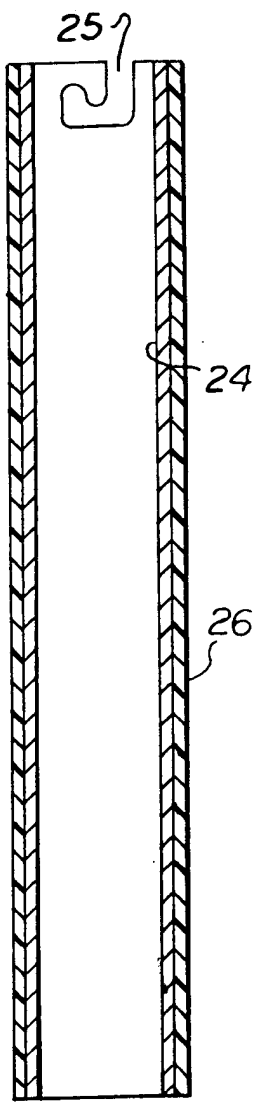


Fig 7

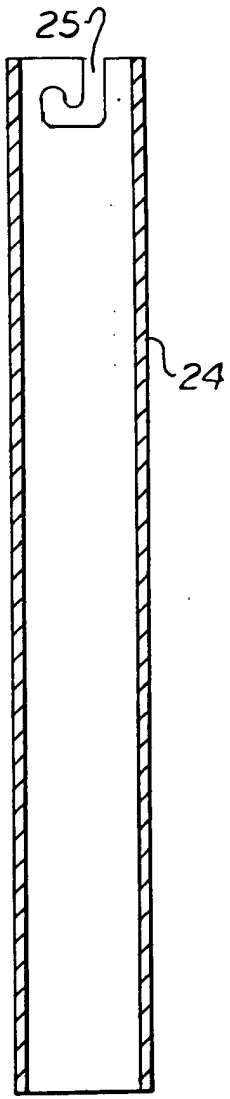


Fig. 8

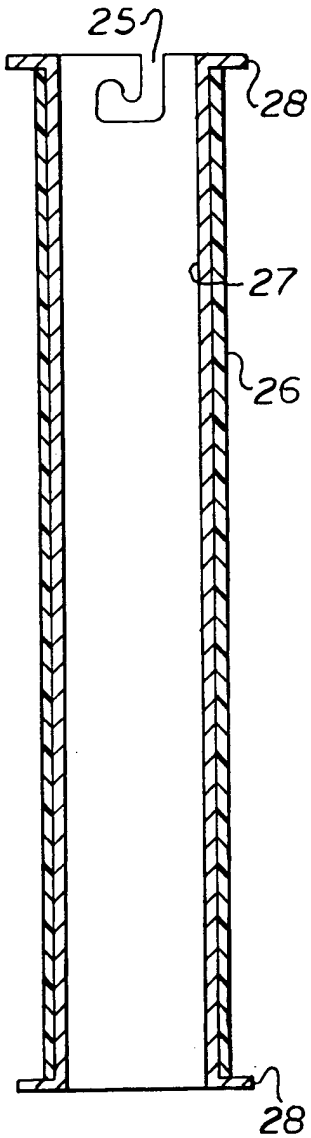


Fig. 9

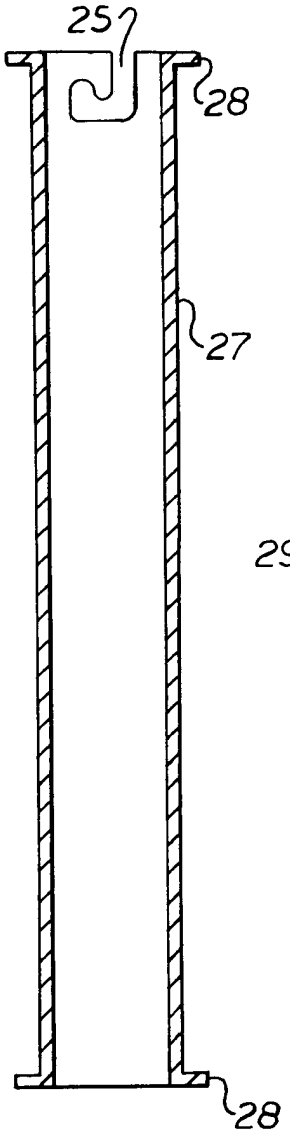


Fig. 10

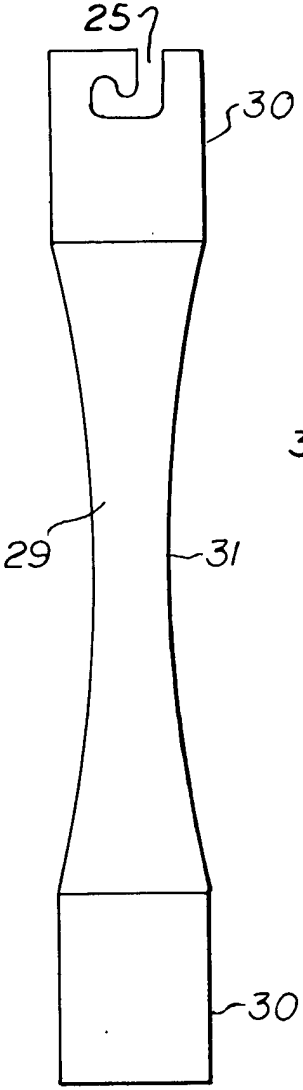


Fig. 11

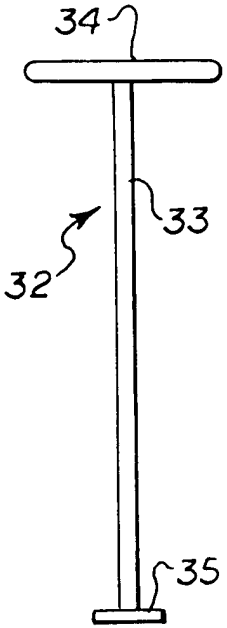


Fig. 12

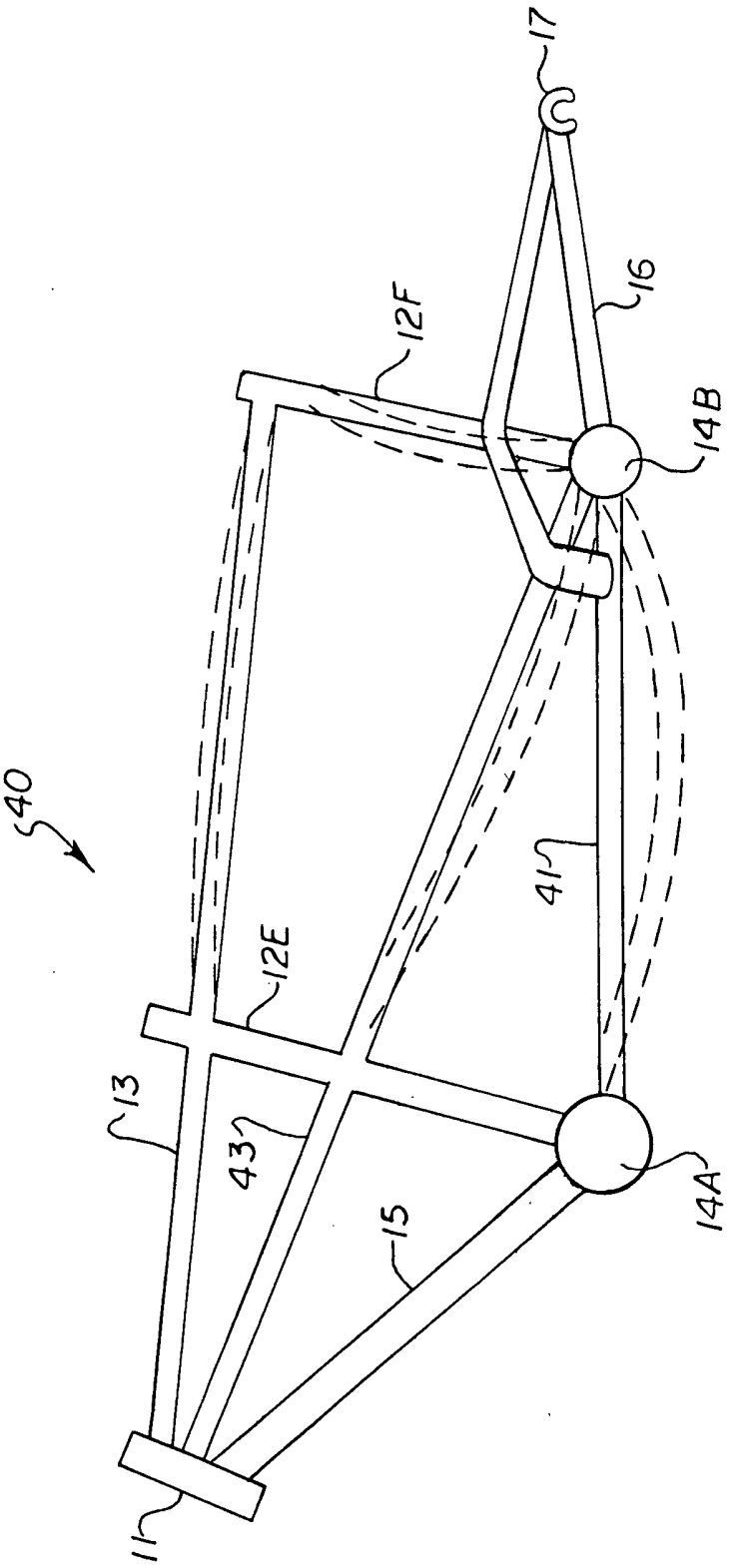


Fig. 15